Jackson Wheeler

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Technically advanced in Java, Python, and C developing applications to meet requirements as an experienced team contributor and communicator.

EDUCATION

University of California, San Diego	Sept. 2020 – June 2024

B.S. Computer Science / GPA: 3.8

Yonsei University, South Korea	Summer – Fall 2022

Exchange Program

EXPERIENCE

Sofware Engineer Intern | *Marine Corps Tactical Systems Support Activity* — Summer 2021

Took the **lead** in developing code for the automated testing of a military Windows application

- Program **creates** detailed friendly/enemy tracks according to specifications in CSV file
- **Discovered** and **implemented** WinAppDriver as superior tool over Winium for Windows application automation
- **Trained** teammates in the usage of WinAppDriver in Windows application automation

Head Coach, Referee | *Next Level Flag Football* — Spring 2020

- **Coached** 3 youth football teams in practice and games
- **Communicated** and exemplified leadership with parents and athletes of different ages

PROJECTS

Team: San Diego Zoo Exhibit Navigation App | *Andriod Studio, Java, Agile* — Spring 2022

- Implemented **Agile** process in team of 6 to plan and deliver application meeting customer's requirements
- **Integrated** back-end team and front-end team's code
- Established better **communication** between pair-programming teams

Mutual Fund Analysis | *Python, Selenium, XlsxWriter* — Summer 2020

Built program that **web scrapes** mutual fund data from Charles Schwab website and outputs organized Excel file

- Implemented Pickle library to **serialize** data, splitting program into two and **solving long run time**
- Implemented YFinance **API** for rapid fetching of current price data
- Implemented XlsxWriter to **output organized Excel file** for fund comparison and analysis

Reinforced Learning Snake Game | *Python, NEAT-Python, Pygame* — Summer 2020

- **Collaborated** with peer to create program that utilizes **NEAT-Python** library to teach computer how to play the snake game
- Researched **neural networks** and **reinforced learning** in order to implement these concepts into our project

Phone Specs Web Scraping | *Python, Selenium, BeautifulSoup* — Summer 2020

- Developed program that **web scrapes** specifications for hundreds of phones and organizes data into Excel file
- Overcame "Too many requests" error by utilizing Selenium library to run an **automated browser**

SKILLS

Active Secret Level Security Clearance

Languages and Tools: Java, Python, C, C++; Android Studio; (**WIP:** SQL, HTML, CSS, JavaScript)

Foundational Knowledge: Object-Oriented Design, Data Structures, Algorithms, Software Engineering, Compiler Design, (**WIP:** Web Development, Computer Networks, Database System Principles)

Libraries: WinAppDriver, NEAT-Python, Selenium, XlsxWriter, and more

Excellence: *problem solving, communication, teamwork, leadership, goal oriented, and accountable*

Other: Korean Language Conversational Fluency

THE DISCOVERY OF MY PERSON

With a demonstrated history achieving and receiving awards working as a both a **leader** and **developer** with various companies and programs, I utilize professional skills and talents in software development. I seek to be an **important contributor** on future teams, capable of **propelling teams forward** towards a common goal.